Toshiba recommends Windows 8

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Satellite™ P50-A-01E

Model: [i]
Satellite P50-A-01E
- 4th Generation Intel® Core™ i7-4700MQ processor, Windows® 8, 15.6" FHD Flat LCD eDP, 16GB DDR3, 1TB HDD S-ATA, NVIDIA® GeForce GT 740M 2GB Discrete Graphics w/Optimus, DVD Super-Multi Double Layer, 1Gbps LAN, Atheros 802.11 bgn + BT, Integrated HD Web Camera, HDMI, USB 3.0

Processor

4th Generation Intel® Core™ i7-4700MQ processor (2.4GHz, 6MB Intel® L3 Cache) with Intel® Turbo Boost Technology, Enhanced Intel® SpeedStep® Technology and Intel® Hyper-Threading Technology

Operating System

Windows® 8

Key Features

HDMI Out (4k2k)
USB 3.0
Toshiba HDD Accelerator
Toshiba HDD Impact Sensor
Toshiba Sleep and Charge
Toshiba Sleep and Music
DTS Studio Sound™
Harman Kardon® Stereo Speakers
Brushed Aluminum Finish

Memory

Standard Memory: 8GB DDR3 + 8GB DDR3 (1600 MHz)
Maximum Memory: 16GB DDR3
Expansion Modules: 2 GB DDR3, 4GB DDR3, 8GB DDR3 Modules

Hard Disk Drive

1TB (5400 RPM); Serial-ATA hard disk drive

Optical Drive

DVD SuperMulti (+/-R double layer) drive supporting 11 formats
Maximum speed and compatibility:
Read: CD-ROM (24x), DVD-ROM (8x)
Write: CD-R (24x), CD-RW (4x), DVD-R (Single Layer, (8x), DVD-R (Double Layer, (6x), DVD-RW (6x), DVD+R (Single Layer, (8x), DVD+R (Double Layer, (6x), DVD+RW (8x), DVD-RAM (5x)

Display System

Type: 16:9 TFT Active Matrix colour LCD display with LED backlight (eDP)
Size (diagonal): 15.6" FHD Flat LED eDP
Native LCD Panel Resolution: 1920x1080x16.7 million colours
External Support and Max. Colour Support (dependant on CRT): Up to 2,048 x 1536 x 16.7 million colours

Graphics Controller

NVIDIA® GeForce GT 740M 2GB (DDR3)-Dedicated Graphics with Optimus
up to 4095MB (64bit OS) dynamically allocated shared graphics memory with 16GB of system memory.

Sound System

IDT High-Definition Audio CODEC, Built-in Harman Kardon® stereo speakers

Communication

10/100/1000 Mbps Integrated Ethernet LAN
Atheros 802.11 b/g/n Wireless LAN + Bluetooth
Integrated HD Web Camera (w/ Built-in Mic)

Expansion

2 memory slots – Slot 1 has 8GB. Slot 2 has 8GB. Slots can be filled with 2GB, 4GB and 8GB modules

Ports: 2 in 1 Bridge Media Slot (SD Card, SDHC Card, SDXC Card, MMC, Mini SD Card, Micro SD Card), 2xUSB 3.0, 2xUSB 2.0, RJ45, external microphone port, headphone port, RGB, HDMI

Keyboard

Canadian Bilingual Frameless Backlit Keyboard
102 keys with Keypad
Color: Frameless Black w/Backlit

Pointing Device

Clickpad Pointing device with Gesture

Additional Software

TOSHIBA Value Added Software
Intel® App Up center
Amazon
Evernote
Skype
Norton Internet Security™ – trial
Norton Studio – trial
WildTangent®
Microsoft® Office Trial

Physical Dimensions

Dimensions (in mm): (WxDxH) 377.5 x 244 x 23.45
Weight: Start at 2.38kg (5.25lbs)
Color: Brushed Aluminum

AC Adapter

120W external Universal AC adapter input voltage (100 – 240V 50/60Hz Frequency (Universal), output voltage (19V, 6.32A)
Dimensions: (WxHxD) 155 x 67 x 36.5 mm
Weight: 553g

Battery

Battery Type: Non-Removable, Rechargeable 4-cell Lithium Ion (Prismatic) 14.4V x 43Wh capacity
Battery Life: Up to 4 hours (Dependent on usage)
Dimensions: (WxHxD) 157.4 x 83.34 x 10.3 mm

BIOS

SETUP, ACPI, PnP, VESA, SM BIOS, PCI BIOS Support

Security

Computrace BIOS Support, Kensington Cable Lock, power on password, supervisor password, HDD password

Environmental Specifications

Temperature: Operating 5˚to 35˚C (41˚ to 95˚F);
Non Operating –20˚ to 65˚C (-4˚ to 149˚F)
Thermal Gradient: Operating 15˚ C per hr. max;
Non Operating 20˚ C per hr. max
Relative Humidity: Operating 20% to 80% non-condensing;
Non-Operating: 10% to 90% non-condensing
Altitude (relative to sea level): Operating: -60 to 3,000m.;
Non-Operating: -60 to 10,000m.
Shock: Operating: 10G; Non-Operating 60G
Vibration: Operating 0.5G; Non-Operating: 1G

Environmental Credentials

ENERGY STAR® Qualified
EPEAT® Gold Rated
RoHS

Warranty

This Satellite notebook comes with a one (1) year parts and labour Limited Warranty. Note the original battery is warranted for one year from date of purchase. Pre-installed software is excluded from TCL standard limited warranty. For complete details on this warranty program and other Warranty Programs such as On-site and Next Business Day Service visit toshiba.ca/warranty

Accessories

PA5083C-1AC3- 120W Universal AC Adapter
PA3844U-1ETB- 2.4Ghz Wireless Optical Mouse
PA3710U-1BTM- Bluetooth V2.1+EDR USB Adaptor
PA3927C-1PRP- Dynadock U 3.0 Universal USB Docking Station
PA3840C-1ETB – Toshiba Lightweight Carrying Case
PA3834A-1DV2 – Toshiba External ODD

Part Number/UPC code

PSPMHC-01E00P / 6-23506-03653-5

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Central Processing Unit ("CPU") Performance Disclaimer: CPU performance in your computer product may vary from specifications under the following conditions:

- use of certain external peripheral products
- use of battery power instead of AC power
- use of certain multimedia games or videos with special effects
- use of standard telephone lines or low speed network connections
- use of complex modeling software, such as high end computer aided design applications
- use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
- use of computer at temperatures outside the range of 5°C to 35°C (41°F to 95°F) or > 25°C (77°F) at high altitude (all temperature references are approximate).

CPU performance may also vary from specifications due to design configuration. Under some conditions, your computer product may

automatically shutdown. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product Resource Guide. Contact Toshiba Technical Support for more information.

Hard Disk Drive Disclaimer: 1 Gigabyte (GB) means 1,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 1,073,741,824 bytes, and therefore shows less storage capacity. Available storage capacity will also be less if the product includes pre-installed operating system and/or application software. Actual formatted capacity may vary.

GPU: Graphics processor unit ("GPU") performance may vary depending on product model, design configuration, applications, power management settings and features utilized. GPU performance is only optimized when operating in AC power mode and may decrease considerably when operating in battery power mode.

Memory: Part of the main system memory may be used by the graphics system for graphics performance and therefore reduce the amount of main system memory available for other computing activities. The amount of main system memory allocated to support graphics may vary depending on the graphics system, applications utilized, system memory size and other factors. For PC's configured with 4 GB of system memory, the full system memory space for computing activities will be considerably less and will vary by model and system configuration.

TFT Display Disclaimer: Small bright dots may appear on your TFT display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology.

LCD: Over a period of time, and depending on the usage of the computer, the brightness of the LCD screen will deteriorate. This is an intrinsic characteristic of LCD technology. Maximum brightness is only available when operating in AC power mode. Screen will dim when the computer is operated on battery power and you may not be able to increase the brightness of the screen.

Weight: Weight may vary depending on actual configuration.

Battery: Battery life may vary considerably depending on product model, configuration, applications, power management settings and features utilized, as well as the natural performance variations produced by the design of individual components. Published battery life numbers are achieved on select models and configurations tested by Toshiba at the time of publication. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see the accessories information that shipped with your computer or visit the Toshiba of Canada website at toshiba.ca/accessories

Software: The included additional software is subject to change without notice. No substitution of software permitted. For further information please visit toshiba.ca/support

Subject to Change:

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